

Software Requirement Specification for Folk – An Online Community

1. Introduction:

1.1 Problem Definition

The purpose of this document is to describe the software requirements of a web portal based on social software concept called Folk.

The intended audiences of this SRS are the participants college students and the faculty.

This SRS will serve as a basis for review by the developers and the users.

1.2 Scope

The SRS is intended to produce a web portal to be called Folk. It will have many features that will help users to interact between themselves. Some of the intended features which this platform will provide are.

1. Communication (IM, Emails, SMS etc).
2. Experience Sharing (Blogs, Photo albums, etc)
3. Discovery of old contacts
4. Making new contacts
5. Relationship Management
6. News, Sports.(collaborative or competitive)
7. Cohort groups.

1.3 Definitions, Acronyms, Abbreviations

1. UD : User Database
2. BL : Buddy List Database
3. PF : Profile

1.4 References

1. PHP – MySQL guide
2. Software Engineering – Roger Pressman
3. Social Software – Bo Peabody
4. IEEE Std 830-1998
5. www.shirky.com

1.5 Overview

This SRS document has three sections

Section 1 (This section) provides an overview of the entire SRS document.

Section 2 gives a description of the general factors that affect the product that will be produced based on this SRS. It includes product perspective and functions, user characteristics, assumptions and dependencies of the product.

Section 3 addresses the specific and detailed requirements of the system to be produced. It includes the following.

- Functional Requirements which describe the inputs, process and outputs for each high level function.
- External interface requirements
- Other requirements

2.General Description:

2.1 Product Perspective:

This product is a web based application with a network of users using the service to communicate and stay in touch with each other. It requires a web browser with an internet connection and a server supporting PHP and a MySQL database.

2.2 Product Functions:

This web service performs the following functions:

- It allows user to create his profile.
- It allows a user to add another user to his list of friends.
- Search for users with common interests from the user database.
- Post messages, pictures etc
- Join groups, form tribes.

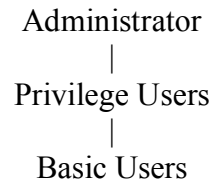
2.3 User Characteristics:

This software is going to be used by people who browse the net and have Registered themselves at Folk. There are going to be three types of users. They are Administrator, Basic user, Privileged users.

The various functions that can be performed by these uses are indicated in

section 3, functional requirements.

These users have the following hierarchy of permissions



Each of the users will have access to the system only through user-id and password mechanism

2.4 Assumptions and Dependencies

- Each Users has a unique ID.

3. Specific requirements

Functions are organized by user category. All data inputs are validated before accepting for action. In case of violation, suitable error messages must be produced.

3.1 Functional Requirements.

3.1.1 User Category: Administrator

3.1.1.1 Maintain the Website.

Introduction

This option allows the administrator to update and maintain the site.

Inputs

User ID

Process

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Outputs

Updated site.

3.1.1.2 Create relevant database

Introduction

There are many features on the site. Thus one needs to create relevant database according to the needs of the user.

Inputs

User's ID

Process

The record of the user should be present in the user database.

Outputs

Updated users database.

3.1.1.3 Avoid security threats

Introduction

This options allows administrator to check threats forehand.

Inputs

Users ID

Process

The user with right password and user ID can only change the Features of database.

Outputs

No viruses and hacking attempts.

3.1.2 User Category : Privilege users.

3.1.2.1 Create profile

Introduction

This options allow privilege users to create there own profile

Inputs

Users ID

Process

A profile is created.

Outputs

The profile is displayed.

3.1.2.2 Share pictures

Introduction

This options allow privilege users to load and share there pictures with anyone they want.

Inputs

Users ID

Process

The pictures from users computer are loaded onto the Folk server.

Outputs

Users photos are displayed.

3.1.2.3 Personal blog

Introduction

This option allows privilege users to blog there thoughts

Inputs

Users Id and password.

Process

The writings of the users are loaded onto the Folk server.

Outputs

The blog is displayed.

3.1.2.4 Access to advance search

Introduction

This option allows privilege users to search onto the database using some advance features.

Inputs

Users Id

Process

Depending upon the choices made by the user, like search by Location gender, degree, position, organization etc, search features will be available.

Outputs

Search results displayed with relevant links.

3.1.2.5 Resume profile and Matrimonial profile

Introduction

This option will allow users to enter there Resume and Matrimonial profile

Inputs

User Id.

Process

The user information is added to the database.

Outputs

The users database is updated and the displayed.

3.1.3 User Category : Basic Users.

3.1.3.1 Create profile

Introduction

This options allow privilege users to create there own profile

Inputs

Users ID

Process

A profile is created.

Outputs

The profile is displayed.

3.1.3.2 Add pictures.

Introduction

This options allow privilege users to load and share there pictures with anyone they want.

Inputs

Users ID

Process

The pictures from users computer are loaded onto the Folk server.

Outputs

Users photos are displayed.

3.2 External Interface Requirements

3.2.1 User Interfaces

Input from the user should preferably be through a very simple user interface. But the GUI will be very attractive and easy to download.

3.2.2 Hardware Interfaces

Folk should work on any type of hardware that can support a browser.

3.2.3 Software Interfaces

Folk shall work with browsers.

3.3 Other Requirements

3.3.1 Databases

3.3.1.1 Users profile database

Each entry of Student database contains

| | | |
|----------|-----------|----|
| Username | Character | 16 |
| Sex | Character | 1 |
| Location | Character | 80 |
| Phone No | Integer | 8 |

| | | |
|-----------------|-----------|-----|
| Password | Character | 16 |
| Email id | Character | 32 |
| Country | Character | 16 |
| Interest | Character | 256 |
| Occupation | Character | 128 |
| Homepage If Any | Character | 32 |

3.3.1.2 Matrimonial profile

| | | |
|---------------------------|-----------|-----|
| Sex | Character | 1 |
| DOB | date | 8 |
| Hobbies | Character | 128 |
| Educational Qualification | Character | 32 |
| Institutes | Character | 256 |
| Skill Sets | Character | 256 |
| Religion | Character | 128 |
| Community | Character | 128 |
| Region | Character | 128 |
| Country | Character | 128 |

3.3.1.3 Resume Profile

| | | |
|---------------------------|-----------|-----|
| Experience | Character | 256 |
| Educational Qualification | Character | 32 |
| Skill set | Character | 128 |